



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0718/S-96, REVISION 1

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - QSA Global, Inc. Model X130/7 (Manufactured on or after May 9, 1988).
2. Source Description - Cylindrical single encapsulation made of monel, beryllium, and stainless steel that is brazed on one end and tungsten inert gas or laser seal welded on the other end. The capsule may have an optional tungsten shield that is attached with epoxy adhesive. Approximate outer dimensions are 8.1 mm (0.32 in.) in diameter and either 5.3 mm (0.21 in.) in length without the tungsten shield or 5.9 mm (0.23 in.) in length with the tungsten shield. Minimum wall thickness is 0.9 mm (0.035 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA61952, Rev. A.
3. Radioactive Contents - No more than 7.5 GBq (202.7 mCi) of either Plutonium-238, Americium-241, Curium-244, or Californium-252. The Pu-238 and Am-241 are in the form of an oxide incorporated into a ceramic enamel. The Cm-244 is in the form of an oxide incorporated into a ceramic matrix. The Cf-252 is form of a solid metal or a ceramic.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on September 30, 2010. On February 28, 2009, this certificate supersedes all previous revisions of USA/0718/S-96.

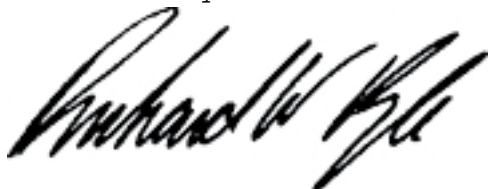
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.


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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the November 19, 2008 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



Nov 25 2008

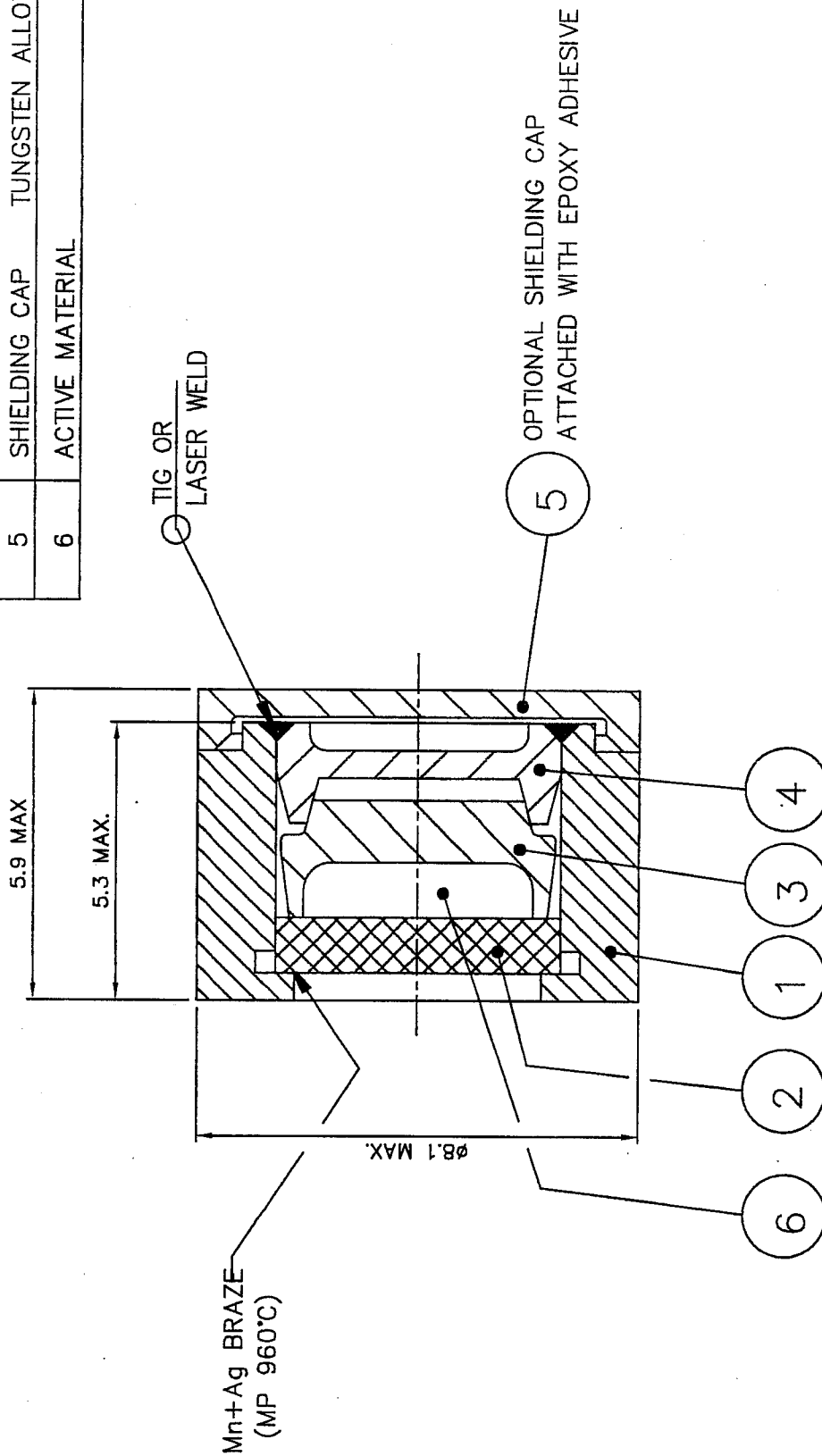
 Robert A. Richard

(DATE)

Deputy Associate Administrator for Hazardous Materials Safety

Revision 1 - Issued to add Cm-244 as an authorized content and to update corporate name.

Item No	Description	No off
1	BODY MONEL	1
2	WINDOW BERYLLIUM	1
3	INSERT STAIN.STL.	1
4	LID MONEL	1
5	SHIELDING CAP TUNGSTEN ALLOY	1
6	ACTIVE MATERIAL	A/R



		DESCRIPTIVE DRAWING	
40 NORTH AVE. BURLINGTON, MA 01803		TITLE X130/7 CAPSULE ASSEMBLY	
APPROVALS <i>[Signature]</i> 7/25/05 <i>[Signature]</i> J.S. J. 05		SIZE A	DWG. NO. RBA61952
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES: X ±0.5 X.X ±0.1 X.XX ±0.05 ANGULAR ±5°		INTERNAL N/A EXTERNAL N/A	SCALE: NONE
ERF # 1108		SHEET 1 OF 1	



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CERTIFICATE NUMBER: USA/0718/S-96, Revision 1

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